

Title (en)
Process for the production of trialkoxysilanes.

Title (de)
Verfahren zur Herstellung von Trialkoxysilanen.

Title (fr)
Procédé de préparation de trialkoxysilanes.

Publication
EP 0280517 A2 19880831 (EN)

Application
EP 88301550 A 19880223

Priority
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• JP 12245587 A 19870521
• JP 14788687 A 19870616

Abstract (en)
This invention is concerned with an improved process for producing trialkoxysilanes comprising (i) an activation step where metallic silicon and a copper catalyst are activated, (ii) a reaction step where an alcohol is contacted with metallic silicon and the copper catalyst to allow it to react with the metallic silicon and (iii) a purification step where reaction product obtained is separated and/or refined, which is characterized in that a halogenide is introduced into the reaction system and/or mixture in one or more of the above steps (i) to (iii). With the introduction of a halogenide, the lowering in the selectivity of trialkoxysilanes can be prevented, and the percentage of metallic silicon reacted can be increased. In addition, the trialkoxysilanes contained in the reaction product can be stabilized.

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Cited by
EP0709388A1; EP0448404A3; GB2263113A; GB2263113B; EP0517398A1; US5177234A; US5527937A; GB2277518A; FR2704548A1; GB2277518B; US6727375B2

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EP 88301550 A 19880223; CA 559356 A 19880219; DE 3851243 T 19880223; US 15848088 A 19880222